Quantum
MEDICAL IMAGING, LLC

Models QT-710 & QT-720 Series

Mobile/Fixed Non-Float-Top Open-Base Radiographic Table

Installation and Operation Manual

Manual Part No. DC30-004 Revision B

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REVISION HISTORY

REVISION	DATE	TYPE OF MODIFICATION
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B	2/19/01	Added UL Mark

LIST OF EFFECTIVE PAGES

Page Number	Rev	Page Number	Rev	Page Number	Rev
i - x	B				
1 - 34	B				

Revision History

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WARNING

Quantum Medical Imaging, LLC disclaims all responsibility from any injury resulting from improper application of this equipment.

This equipment is sold to be used exclusively under the prescribed direction of a person who is licensed by law to operate equipment of this nature. This equipment must be used in accordance with all safety procedures described in this manual and must not be used for purposes other than those described herein.

Quantum Medical Imaging, LLC cannot assume responsibility for any malfunctioning of this equipment resulting from improper operation, maintenance, or repair, or from damage or modification of its components.

Failure to observe these warnings may cause serious injuries.

X-RAY PROTECTION

X-rays are hazardous to both patient and operator unless established safe exposure factors and operating instructions are observed.

It is important that everyone having anything to do with x-radiation be properly trained and fully acquainted with the recommendations of the National Council on Radiation Protection and Measurements as published in NCRP Reports available from NCRP Publications, 7910 Woodmont Avenue, Suite 800, Bethesda, Maryland 20814-3095 (www.ncrp.com), and of the International Commission on Radiological Protection (www.icrp.org), and take adequate steps to protect against injury.

X-ray equipment may cause injury if used improperly. The instructions contained in this manual must be read and followed when operating this unit. Personal radiation monitoring and protective devices are available. You are urged to use them to protect against unnecessary x-ray exposure.

REGULATORY COMPLIANCE

This certified Quantum Medical Imaging, LLC medical device has been designed, manufactured, and calibrated to comply with governing Federal Regulations 21 CFR Subchapter J and the performance standards attendant thereto. Upon installation, all certified products require the filing of Form FD-2579 "Report of Assembly of a Diagnostic X-Ray System" by the Assembler (i.e., the installer) with the appropriate agencies; the "Installation Quality Assurance Checklist" must also be completed and properly distributed upon installation. A copy of each form (pink copy) is provided to the user. The Installation Report is also completed by the installer and returned to Quantum Medical Imaging, LLC.

Those responsible for the planning of x-ray equipment installations must be thoroughly familiar and comply completely with NCRP Report No. 49, "Structural Shielding Design and Evaluation for Medical Use of X-Rays and Gamma Rays of Energies up to 10 MeV", as revised or replaced in the future. Those authorized to operate, test, participate in or supervise the operation of the equipment must be thoroughly familiar and comply completely with the currently established safe exposure factors and procedures described in publications such as Subchapter J of Title 21 of the Code of Federal Regulations, "Diagnostic X-Ray Systems and Their Major Components," and NCRP Report No. 102, "Medical X-Ray, Electron Beam and Gamma Ray Protection for Energies Up to 50 MeV—Equipment Design and Use" as revised or replaced in the future.

NOTE

Form FD-2579 is required for U.S. installations; please observe the applicable regulations of your particular local and/or national agencies.

Scheduled maintenance is essential to the assurance of continued integrity of this equipment with respect to regulatory compliance. The continuance of certified performance to the regulatory standard is incumbent upon the user's diligent conformance to recommended maintenance instructions.

This product has been classified as Class I, Type B by Underwriters Laboratories, Inc. Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or with nitrous oxide.

c UL

MEDICAL ELECTRICAL EQUIPMENT
WITH RESPECT TO ELECTRIC SHOCK, FIRE,
MECHANICAL HAZARDS ONLY
IN ACCORDANCE WITH CAN/CSA C22.2 NO. 601.1
98YA

UL

MEDICAL ELECTRICAL EQUIPMENT
WITH RESPECT TO ELECTRIC SHOCK, FIRE,
MECHANICAL HAZARDS ONLY
IN ACCORDANCE WITH UL 2601-1
98YA

The following symbols may be used for marking on this equipment and/or equipment documentation:

Earth (ground)	**Type B equipment**
Protective Earth (ground)	**Attention, consult accompanying documents**

WARRANTY STATEMENT

Quantum Medical Imaging, LLC (herein known as "QMI") warrants to buyer that any new product manufactured by QMI will be free from defects in material and manufacturing and conform substantially to applicable specifications in effect on the date of shipment when subjected to normal, proper and intended usage by properly trained personnel.

All QMI products shall be warranted for a minimum period of 12 months from the time of original installation, the date of which will be determined by a completed, returned warranty card, which must be returned within 30 days of system installation. In no case shall the warranty exceed 15 months from the date of shipment. If the warranty card is not returned to QMI, then the warranty shall take effect 12 months from the date of shipment by Quantum Medical Imaging. Buyers should complete one (1) form per system or component, if items are ordered separately. At buyer's option, extended warranties may be purchased; see terms and conditions provided on separate extended warranty card(s).

WARRANTY CARD

Cut along dashed line

Name of Owner _____

Name of Facility _____

Address 1 _____

Address 2 _____

City _____ State _____

Country _____ Zip _____

Phone _____

e-mail _____

Name of Distributor _____

Installation Date _____

Check Type of Equipment and Provide ID No.'s:

	Model No.:	Serial No.:
☐ Hi-Freq. Generator		
☐ Table		
☐ Collimator		
☐ Hi-Tension Cable		
☐ Tube		
☐ Tube Stand		
☐ Wall Stand		
☐ Other		

Fill in and mail above card promptly to:

Quantum Medical Imaging, LLC
2905 Veterans Memorial Highway
Ronkonkoma, N.Y. 11779 USA

WARRANTY STATEMENT (Continued)

Any component furnished without charge to Buyer/Dealer during the warranty period to correct a warranty failure shall be warranted only to the extent of the unexpired term of the warranty of the original product. This warranty extends only to the original purchase and is not transferable unless authorized in writing by Quantum Medical Imaging.

Products manufactured by parties other than QMI, where QMI acts solely as distributor or reseller, will carry their respective manufacturers' warranties.

Warranty consideration will be given only for defective QMI products properly returned to the factory in accordance with QMI's warranty return procedure (refer to Dealer Price Book or contact Quantum Medical Imaging, LLC. customer service).

WARRANTY EXCLUSIONS

The foregoing warranties are exclusive and in lieu of all other warranties, whether written, oral, express, implied or statutory. NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE SHALL APPLY. QMI Warranty is exclusive of:

1) Failure of Buyer/Dealer to prepare the site or provide power requirements or operating environmental conditions in compliance with any applicable instructions or recommendations of Quantum Medical Imaging.
2) Failure of Buyer/Dealer to provide the proper incoming power required to support the equipment in accordance with the recommendation of QMI.
3) Any modification of product performed by a party other than Quantum Medical Imaging.
4) Combining incompatible products.
5) Improper or extraordinary use of the Product, improper maintenance of the Product, or failure to comply with any applicable instructions or recommendations of Quantum Medical Imaging.
6) Misuse, tampering or, negligent storage/handling of the Product by Buyer, its employees, agents or contractors.
7) Fuses and other items deemed by QMI to be expendable.
8) Acts of God, acts of civil or military authority, fires, floods, power failure or electrical power surges, strikes or other labor disturbances, war riots or other causes beyond the reasonable control of Quantum Medical Imaging.
9) Installation, troubleshooting or repair service are not included in this warranty. Technical service and maintenance is the responsibility of the dealer selling the equipment.
10) The Manufacturer is relieved of any responsibility for damage during shipment after the freight carrier transports the unit for delivery.

BUYER'S REMEDIES

If Quantum Medical Imaging determines that any Product fails to meet any warranty during the applicable warranty periods, Quantum Medical Imaging shall correct any such failure as follows:

A) By repairing, adjusting, or replacing any defective or non-conforming Parts or Products.
B) By making available any necessary repaired or replacement parts or assemblies.

Quantum Medical Imaging shall have the option to furnish either new or exchange replacement parts or assemblies. All returned parts shall become the property of Quantum Medical Imaging.

The preceding Paragraphs set forth Buyer's Remedies and Quantum Medical Imaging's sole liability for claims based upon failure of the product to meet any warranty, whether the claim is on contract, warranty, Tort (including negligence and strict liability) or otherwise, and however instituted. And upon the expiration of the applicable warranty period, all such liability shall terminate. In no event shall Quantum Medical Imaging be liable for special or consequential damages.

The warranties and remedies available to the buyer are conditioned upon all claims under this warranty being made in accordance with the aforementioned warranty statement.

Warranty Information

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Chapter 1

INTRODUCTION

Chapter 1 Introduction

OVERVIEW

This manual provides information for installing, operating, and maintaining Quantum Medical Imaging's Mobile and Fixed, Non-Float-Top, Radiographic Tables, Models QT-710 and QT-720, respectively (hereinafter referred to as the Radiographic Table). It is imperative that all safety procedures described in this manual be strictly adhered to in order to ensure the safety of both patient and user.

NOTE

The user should read this manual in its entirety prior to using this equipment. It should be kept in a location near the equipment and readily accessible to the those that operate it.

The key features of the Radiographic Table are as follows:

- Large tabletop area (74 inches long and 28 inches wide) provides an ample examination platform
- Typical patient-to-film plane distance of only 2.3 to 2.9 inches provides improved radiography with minimum magnification
- Compact, low-maintenance design
- Model QT-710 features large 5-inch wheels for optimal table mobility with foot-operated locks on front wheels
- Accepts either a fixed grid or bucky receptor cabinet
- Both Models QT-710 and QT-720 accept a fixed grid cabinet; Model QT-720 also accepts a reciprocating bucky (with or without ACL)
- 350 lbs. maximum patient load rating

INTENDED USE

Model QT-710 and QT-720 Radiographic Tables are intended for use as a patient support device during the performance of radiographic examinations.

MAIN COMPONENTS

NOTE

Most tables are shipped with a Receptor Cabinet (I. e., fixed grid cabinet or bucky) factory installed. However, the table may be ordered without a Receptor Cabinet.

See Figures 1 and 2. Model QT-710 and Model QT-720 Radiographic Tables contain:

1 Tabletop

2 Receptor Cabinet

3 Receptor Cabinet Lock Lever

4 Compliance Label

5 Non-Locking Wheels (Model QT-710 only)

6 Locking Wheels (Model QT-710 only)

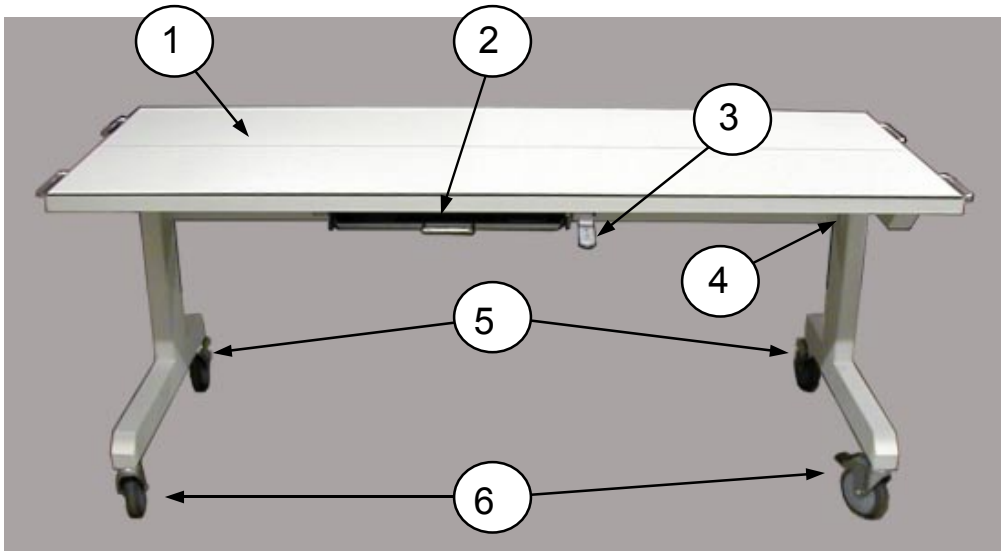

Figure 1. Mobile Non-Float-Top Radiographic Table, Model QT-710 Series

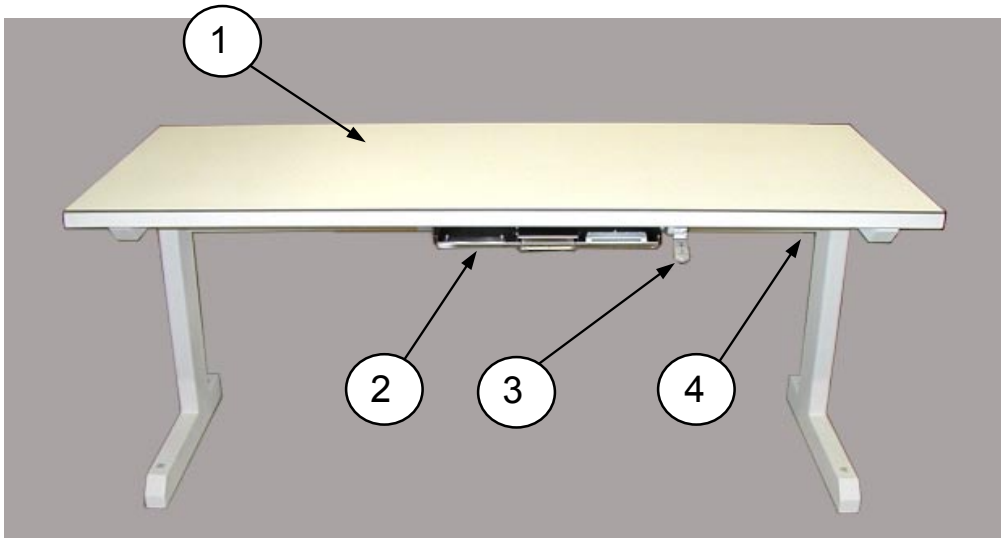

Figure 2. Fixed Non-Float-Top Radiographic Table, Model QT-720 Series

Chapter 2

SPECIFICATIONS

PHYSICAL SPECIFICATIONS

The following are physical specifications for the Radiographic Table (see Figures 3 and 4):

Tabletop Specifications

- Length: 74.0 inches (1879.6 mm)*
- Width: 28.0 inches (711.2 mm)
- Height: 31.75 inches (806.5 mm)
- Material Type: Fiber Resin (phenolic)
- Density: less than 1.0 mm Al
- Tabletop-to-Film plane distance: from 2.3 to 2.9 inches (58.4 to 73.7 mm)

*Note: Reduced length down to 60 inches (1524 mm) is available; reduces longitudinal travel distance

Table Leg Specifications

- Width (Leg-to-Leg): 69.0 inches (1752.6 mm)
- Depth (Model QT-710): 27.5 inches (698.5 mm)
- Depth (Model QT-720): 23.0 inches (584.2 mm)
- Maximum patient load capacity: 350 lbs. (158.76 kg)

Table Specifications

- Table Weight: 150 lbs. (68.04 kg)

Other Specifications

- Receptor Types:
  Model QT-710: 14 x 17 fixed grid
  Model QT-720: 14 x 17 fixed grid
  14 x 17 bucky (with or without ACL)
- Bucky Weight (w/grid and cassette tray): 35 - 40 lbs. (typical)
- Collimator compatibility: Manual
  Automatic (Model QT-720 only)

Chapter 2 Specifications

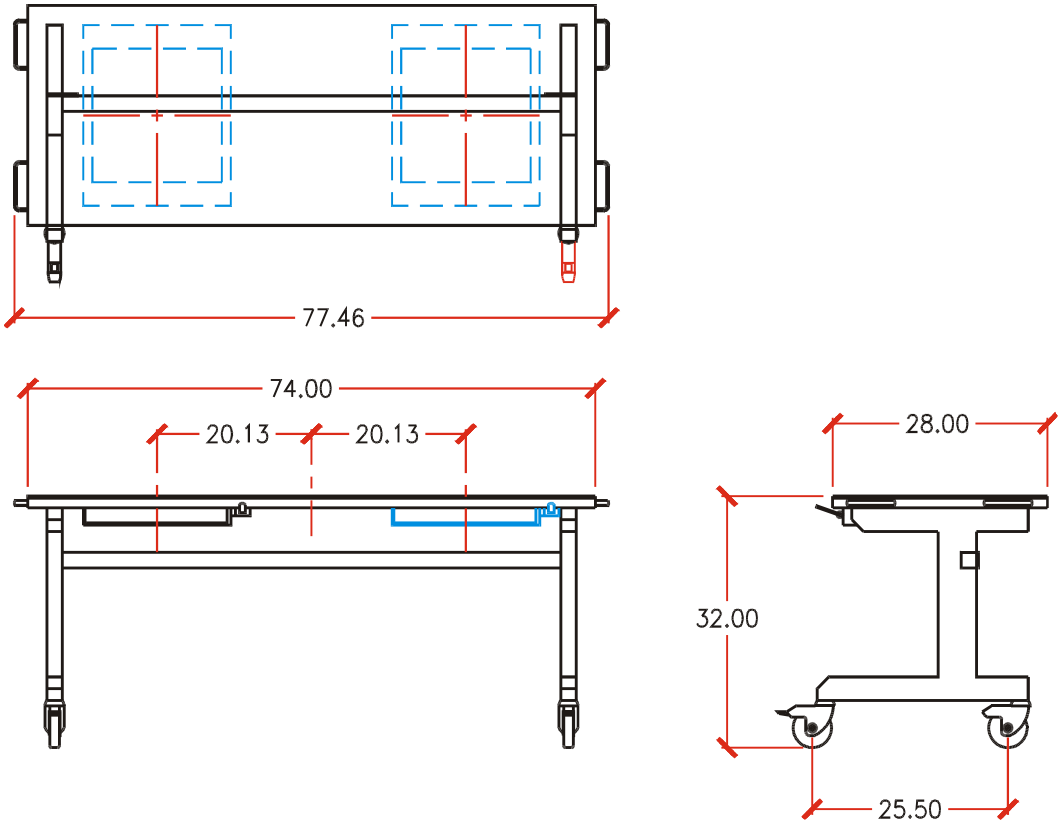

Figure 3. Model QT-710 Dimensions

PERFORMANCE SPECIFICATIONS

The following are performance specifications for the Radiographic Table:

Image Receptor Travel Specifications

- Longitudinal Travel: 40.75 inches (1035.05 mm)

System Operating Environment

- Ambient Temperature: +10°C to +40°C
- Relative Humidity: 20 to 80%, non-condensing
- Altitude: -30.5 to +2440 meters relative to sea level

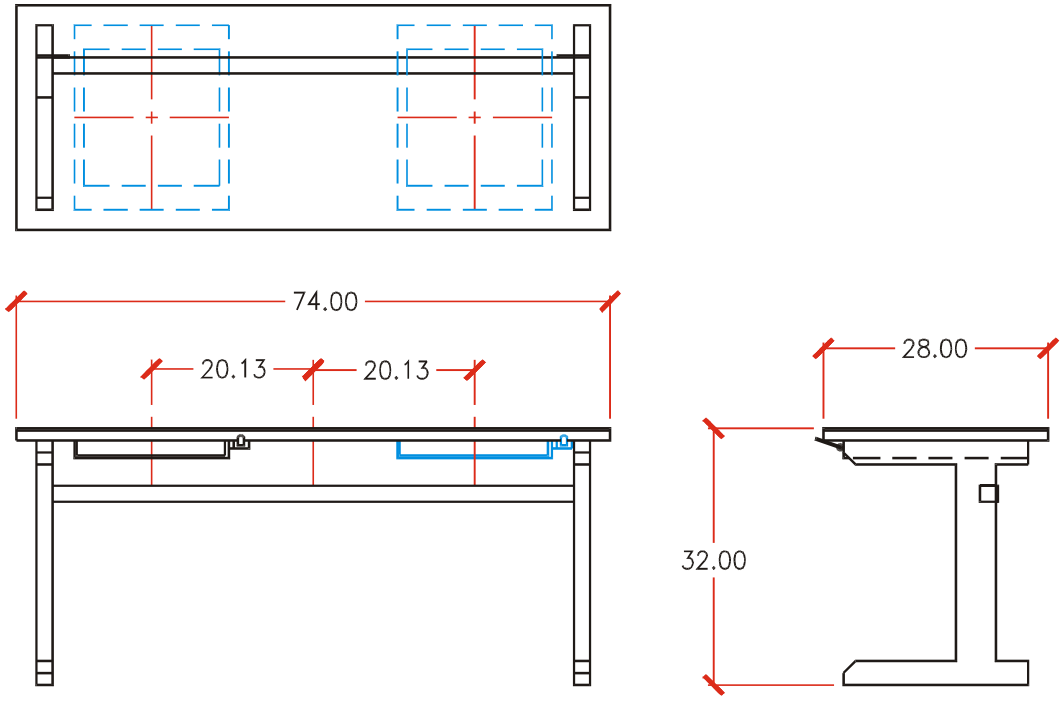

Figure 4. Model QT-720 Dimensions

Non-Operating Environment

- Ambient Temperature: -18°C to +70°C
- Relative Humidity: 20 to 95%, non-condensing
- Altitude: -30.5 to +3048 meters relative to sea level

COMPATIBILITY STATEMENT

The Quantum Medical Imaging, LLC Radiographic Table is compatible with all Quantum Medical Imaging, LLC manufactured tubestands, wall stands, and high-voltage x-ray generators, and with other manufacturer's equipment with equivalent means for indication of SID and perpendicularity.

Chapter 2 Specifications

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Chapter 3

ASSEMBLY & INSTALLATION

Chapter 3 Assembly & Installation

OVERVIEW

This chapter describes the steps required to assemble the Radiographic Table and, for Model QT-720, how to install the completed assembly in your facility.

NOTE

Examine all cartons and crates carefully at time of delivery. If damage is apparent, have delivery driver write a "Damaged Shipment Note" on copies of freight bill, sign it, and file appropriate carrier claim. Should you discover concealed damage, immediately notify the transporting agent and ask for an "Inspection of Damage". Carrier will not accept concealed damage claim if filed after 15 days from date of receipt of merchandise.

REQUIRED TOOLS AND MATERIALS

The following tools and materials are required to complete the assembly and installation procedures:

- Socket Wrench Set
- Assorted Phillips and slot blade screwdrivers
- Drill (and masonry bit if concrete construction) (Model QT-720 only)
- Double bubble level (min. 18 inches in length) (Model QT-720 only)

UNPACKING

The Radiographic Table is shipped in separate shipping containers as follows:

- Table Legs (with attached wheels on Model QT-710), Table Top Assembly, Table Leg Brace, and, if ordered, a Receptor Cabinet (i.e., fixed grid cabinet or bucky)
- Manual, hardware bag, etc.

Open the crate or carton marked "packing list enclosed" first. Locate and remove the packing list. Use the list as a guide to opening remaining cartons. Do not dispose of packing material until packing list is matched with actual parts received. If any damaged parts are found, notify the shipping or freight company immediately (the manufacturer is relieved of any responsibility for damage during shipment after unit is picked up by the carrier). Should there be a shortage of parts, notify Quantum Medical Imaging's Service Department.

Chapter 3 Assembly & Installation

INSTALLATION INSTRUCTIONS

Assembly of Models QT-710 and QT-720 are identical, the only difference is Model QT-710 has legs with factory-installed wheels. The illustrations that follow show assembly of a Model QT-720 radiographic table as an example, however, the procedure is same for both models. Because Model QT-720 requires fastening to the floor (Model QT-710 is mobile), it is necessary to perform the "Table Alignment" procedure at the end of this chapter to complete installation of this model.

NOTE

Prior to installing the Model QT-720 Radiographic Table, the area of the floor on which the Table Legs are to be mounted must be level in all directions.

Model QT-710 and Model QT-720 Table Assembly

1. Attach the Table Leg Brace to rear side of each Table Leg using four (4) 1/4-20 x 3/4" hex bolts (see Figure 5).
2. Place Table Top Frame on Table Legs and secure using four (4) 5/16-18 UNC x 1" socket head cap screws. 5/16" flat washers, and 5/16" lockwashers.

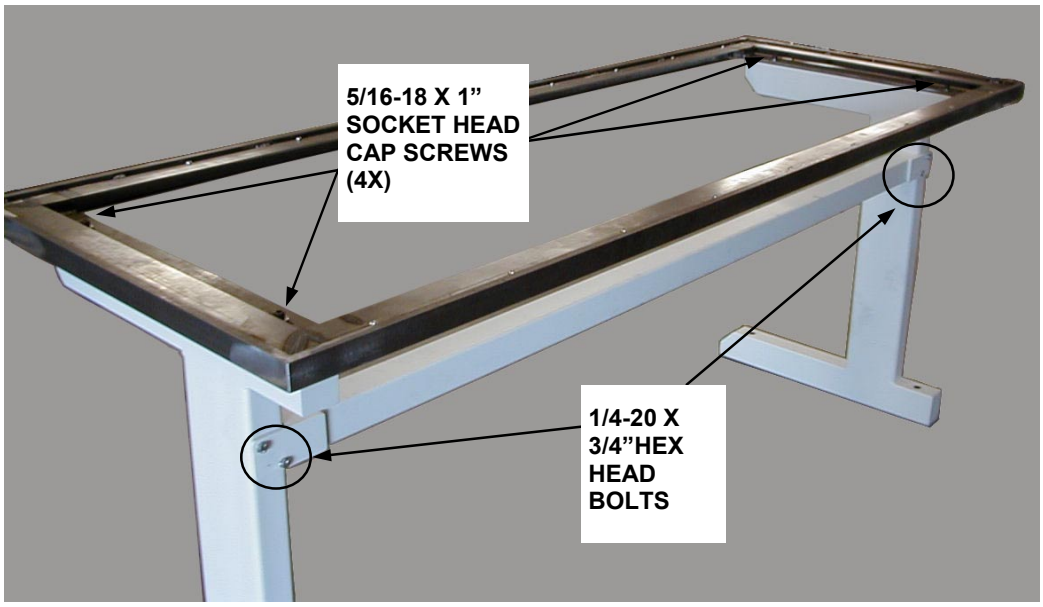

Figure 5. Table Assembly (Viewed from Rear)

3. Install the Receptor Cabinet as follows:

   a. Loosely attach the two (2) Front Receptor Bearing Brackets to the Receptor Cabinet, as shown in Figure 6, using three (3) 1/4-20 x 3/4" pan head screws (bracket with handle mounts to right side of cabinet).

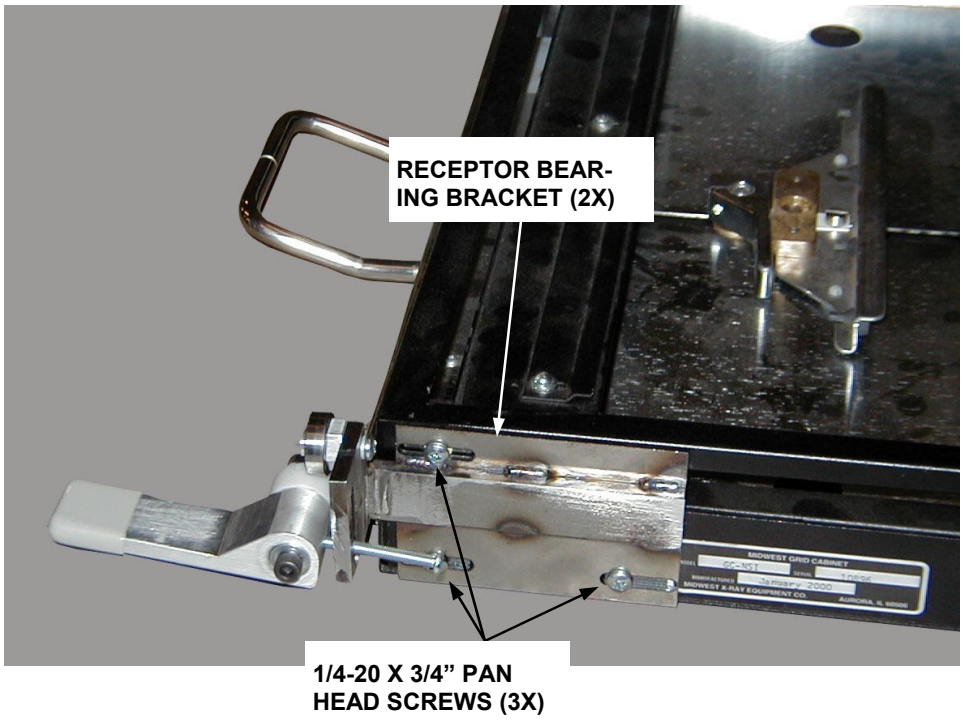

Figure 6. Installing the Front Receptor Bearing Brackets

   b. Through the opening in the top of the table, insert the Front Receptor Bearings so they rest on the front bearing track (see Figure 7). Carefully, lower the back end of the Receptor Cabinet so it rests on the Table Leg Brace (see Figure 8).

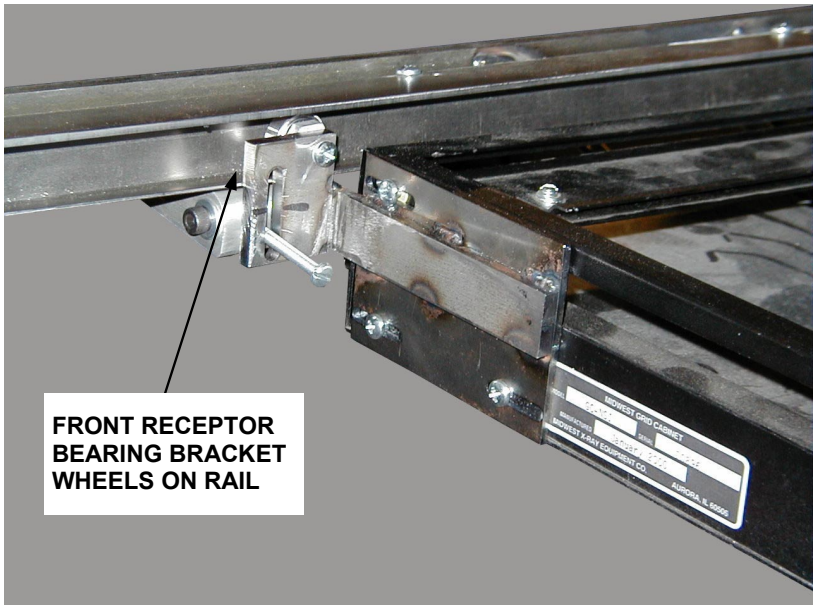

Figure 7. Front Receptor Bearings Resting on Rail

Figure 8. Receptor Cabinet Resting on Table Leg Brace

c. Insert the left Rear Receptor Bearing Brackets through the slot at the far right end of the rear bearing track as shown in Figure 9. Repeat for the right Rear Receptor Bearing Bracket.

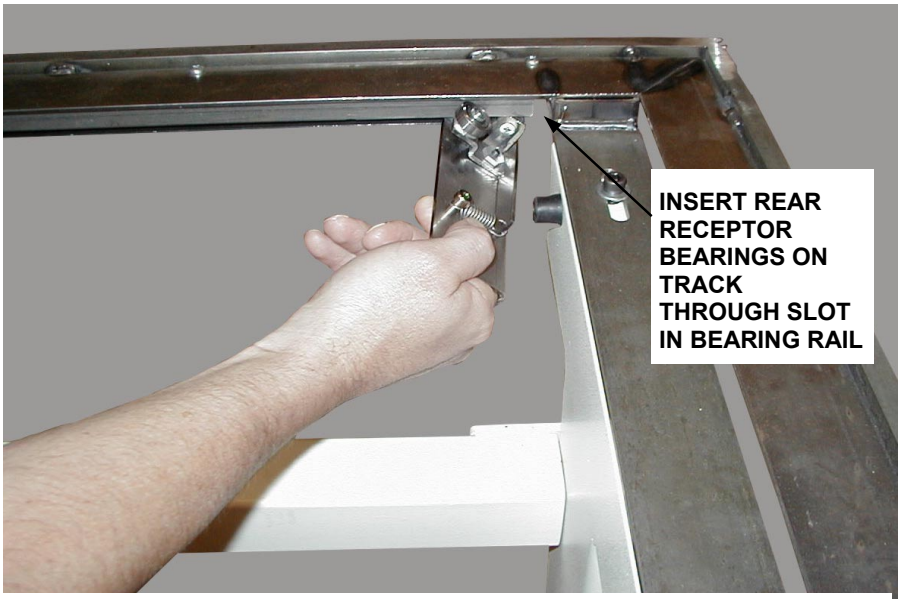

Figure 9. Insert Left and Right Receptor Bearings on Track

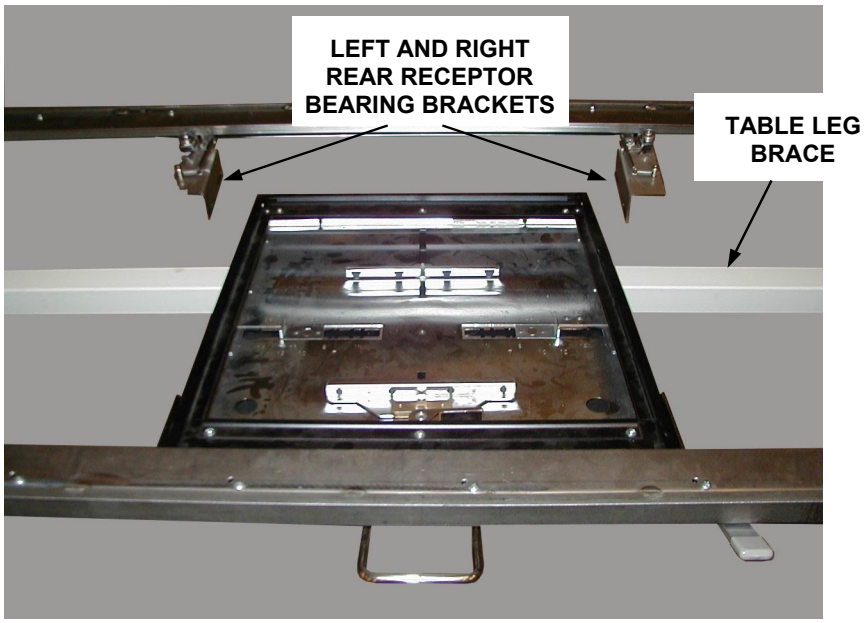

Figure 10. Position Receptor Cabinet for Rear Receptor Bracket Installation

d. Loosely attach the left and right Rear Receptor Bearing Brackets to the back end of the Receptor Cabinet using two (2) 1/4-20 x 3/4" pan head screws through each.

e. Slowly roll the Receptor Cabinet along the bearing rails while checking for smoothness. The mounting holes on the Receptor Bearing Brackets are slotted to provide adjustment. Adjust the brackets as required until receptor travel is satisfactory (smooth and even through full range of travel), then fully tighten all bracket screws.

Figure 11. Receptor Cabinet Installed

f. Check operation of Receptor Cabinet Lock Release Lever; in locked (down) position, cabinet should remain firmly in place. When unlocked (lever up), cabinet should be able to move freely. If necessary, adjust Receptor Cabinet Lock Release Lever (refer to Receptor Cabinet Lock Release Lever Adjustment procedure in Chapter 5, Maintenance).

g. On Model QT-720 systems equipped with moving grid bucky, route the bucky cable through the back of table. Provide a service loop in cable such that there is no cable interference at any point throughout the full travel of Receptor Cabinet. Connect system ground wire to the ground stud located on rear side of left table leg.

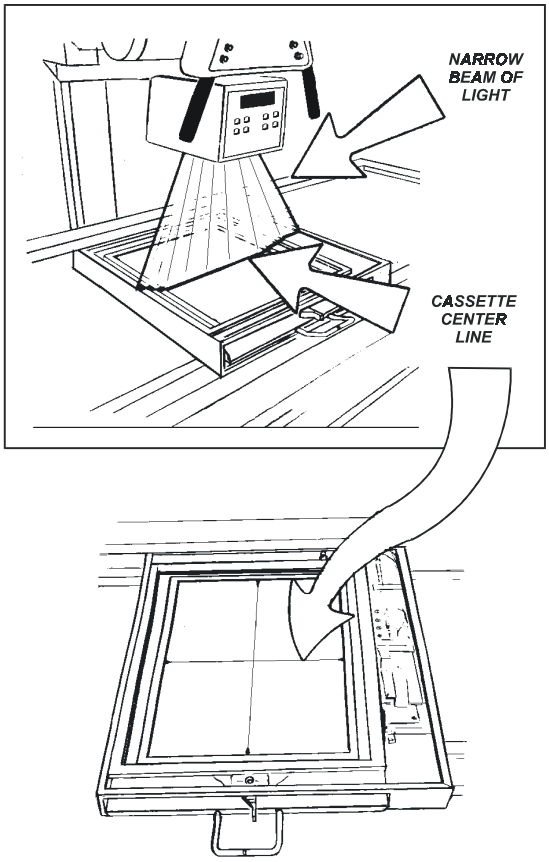

Figure 12. Image Receptor/Collimator Alignment

Table Alignment (Model QT-720 Only)

The Radiographic Table's image receptor must be properly aligned with the projected light field of the collimator in order to attain accurate x-ray exposures. This procedure may require slight repositioning of the table base, which may affect the position or arrangement of the leveling shims, requiring an additional check prior to final table mounting. Collimator calibration, tubestand/collimator alignments, and collimator light field to x-ray field adjustments, as described in their respective manuals, must be completed prior to performing this procedure. If the tubestand to be used provides transverse travel of the x-ray tube relative to the table, set the tube transverse travel in the center detent position prior to performing this alignment.

1. Position the table under the collimator, in the approximate location where it will be mounted.

2. With the collimator parallel to the table top (0° rotation angle), turn on the collimator light.
3. Using the light field adjustment controls on the collimator, reduce the light field to a narrow beam of light along the length of the table.
4. Position collimator to approximately 24 inches source-to-image distance (SID).
5. Insert a 14" x 17" film cassette into the cassette tray.
6. Turn on the collimator light and move the entire table so that the longitudinal center line on the cassette (i.e., the line parallel with length of table) is properly aligned with the narrow beam of light (see Figure 12).
7. Move the tubestand and Receptor Cabinet simultaneously to check for continuous alignment of the narrow beam of light and the cassette center line.
8. If the light beam and cassette center line are in proper alignment, verify that table is level. Place a level on the Tabletop Assembly. If the table is not perfectly level, insert shims (flat washers) between Table Leg(s) and floor as required until the table is level.
9. Mount the Table Legs to the floor through the 3/8" diameter holes (be sure that the leveling washers are in the proper position). Use hardware suitable for the type of floor construction and of sufficient strength to handle 100 lb. pull-load.
10. Position the collimator at 40" SID. Position the cassette tray handle so it protrudes over the front opening.
11. Turn on the collimator light.
12. Check for proper alignment of the centering light (emitted by the collimator) with the notch in the cassette tray handle. If misaligned, refer to the collimator manual for alignment procedures.

FINAL INSTALLATION

1. On Model QT-720 Radiographic Tables, connect #10AWG yellow/green ground wire between table ground stud (on back side of right table leg) and the x-ray generator.
2. On Model QT-720 Radiographic Tables, if so equipped, connect #16AWG yellow/green ground wire between Bucky Cabinet ground stud and the Table Base ground stud.
3. Attach Phenolic Table Top to Table Top Frame.

POST INSTALLATION CHECK

All mounting procedures must be approved before, and checked after, installation by the hospital or facility engineering department and a registered, professional, structural engineer. It is recommended that a leakage current measurement be taken following installation to verify system meets allowable levels.

Chapter 4

OPERATION

RADIOGRAPHIC TABLE OPERATION

CAUTION! All movable assemblies and parts of this equipment must be operated with reasonable care.

TABLE WHEEL LOCK OPERATION (MODEL QT-710 ONLY)

On Model QT-710 mobile radiographic tables, wheel locks are located on the front left and right wheels of the table for immobilizing the table (see Figure 12). To operate the wheel locks, proceed as follows:

Locking the Wheel - Press down on the end of the lever on a locking wheel. The wheel is now locked and cannot roll.

Unlocking the Wheel - Lift up the depressed lever. The wheel is now unlocked and able to roll.

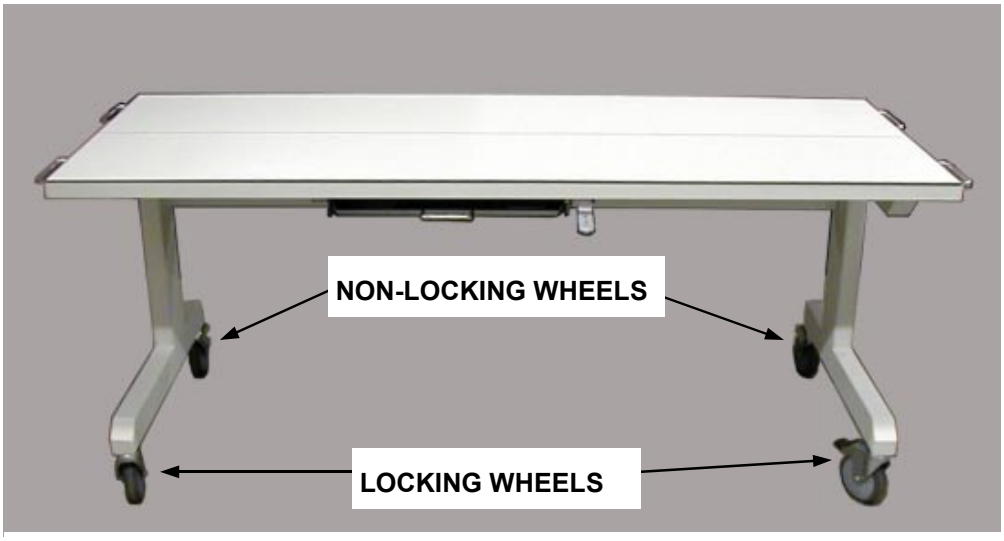

Figure 12. Wheel Lock Locations

RECEPTOR CABINET MOTION

The Receptor Cabinet, containing the cassette tray, moves longitudinally (i.e., left or right). This is accomplished by unlocking (pulling up) the **Receptor Cabinet Lock Release Lever** (see Figure 13), attached to Receptor Cabinet, and then moving the cabinet to the desired position. Pressing down the **Receptor Cabinet Lock Release Lever** locks the cabinet in its new position.

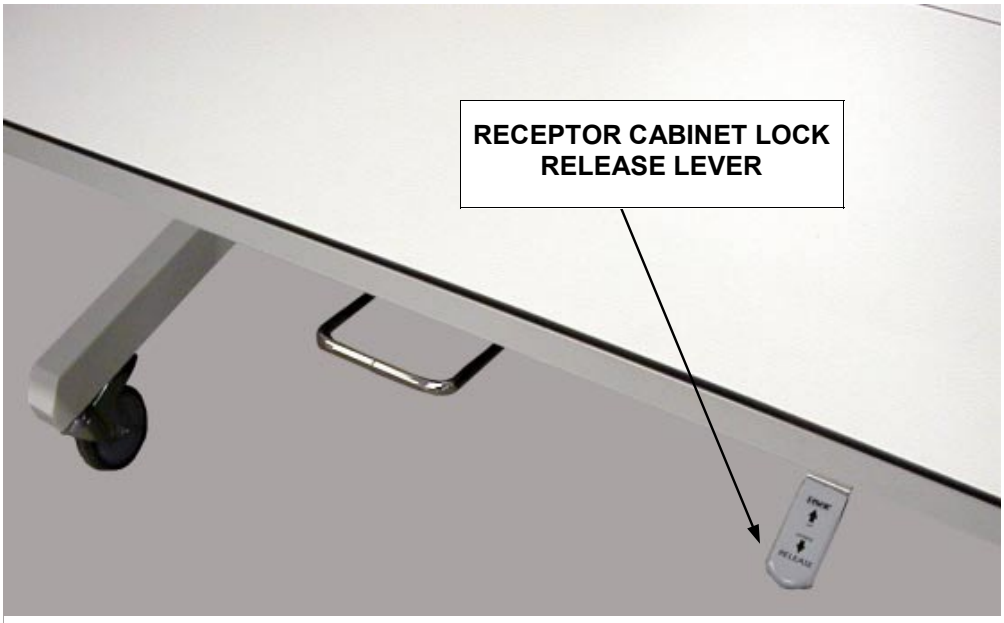

Figure 13. Receptor Cabinet Lock Release Lever

CASSETTE TRAY OPERATION

The Radiographic Table is equipped with either a Midwest or Poersch cassette tray, depending on the system ordered. The following paragraphs describe the operating instructions for each. Additional information is contained in the cassette tray manufacturer's documentation, which is shipped with the table.

Loading Cassette Tray (Midwest Type)

To load a film cassette into a "Midwest" type cassette tray, proceed as follows:

1. Pull cassette tray from Receptor Cabinet using tray handle (see Figure 14).
2. Pull back on front cassette grip (opens both grips).

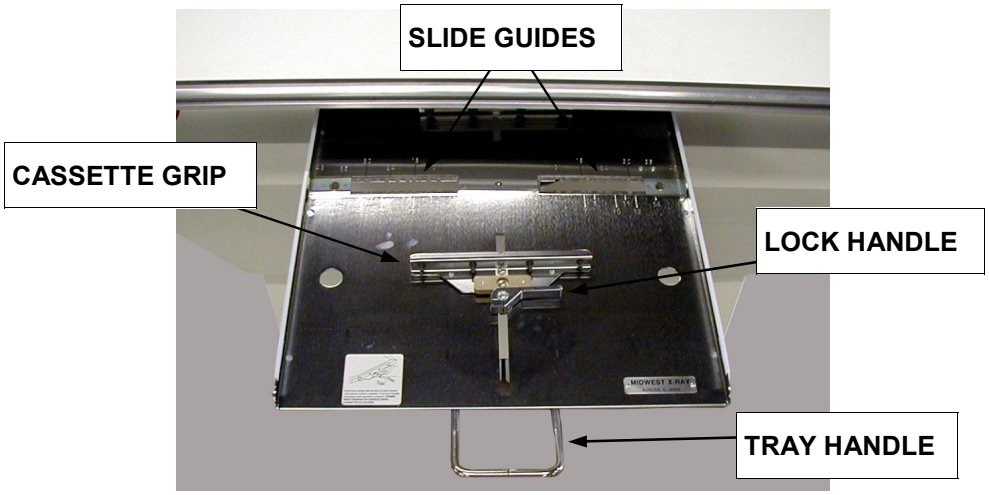

Figure 14. Midwest Cassette Film Tray

3. Position slide guides ("L" brackets seated in channels) to cassette size using indicators on cassette tray (press center brass button to allow movement).
4. Insert cassette into tray (back end first).
5. Lock cassette into tray.
6. Push front grip against cassette.
7. While pushing front grip against cassette, turn cassette lock handle to lock position.
8. Push tray into Receptor Cabinet. The cassette is now in exposure position.

Loading Cassette Tray (Poersch Type)

To load a film cassette into a "Poersch" type cassette tray, proceed as follows:

1. Pull cassette tray from Receptor Cabinet using tray handle (see Figure 15).

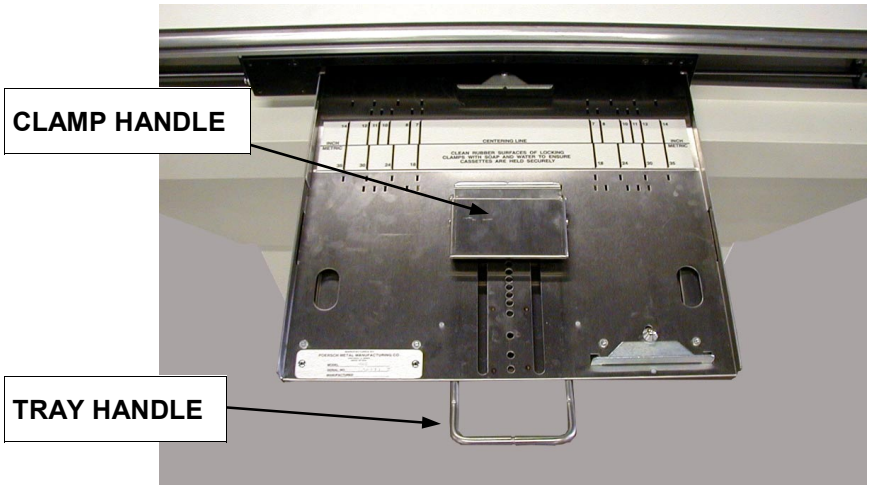

Figure 15. Poersch Cassette Film Tray

2. Place thumb under lip of clamp handle. Lift handle to release.
3. Grasp handle and slide clamp back for inserting cassette.
4. Insert cassette into tray (back end first). Center it using centering label.
5. Slide clamp forward pushing clamp firmly against cassette.
6. While pushing clamp against cassette, press clamp handle down

Chapter 5

MAINTENANCE

OVERVIEW

The Radiographic Table will function reliably when maintained according to the instructions provided in this chapter.

WARNING! Only properly trained service personnel should service or maintain this equipment. Failure to follow manufacturer's or service personnel's recommendations may result in serious injury.

USER MAINTENANCE

WARNING! Always disconnect the equipment from the main power supply prior to any cleaning.

The equipment user is responsible for the basic cleanliness of the equipment. On a regular basis, the Radiographic Table's phenolic top surface should be wiped clean. Painted metal surfaces should be cleaned using a clean cloth slightly moistened in warm soapy water (use mild soap). Wipe with a clean wet cloth.

CAUTION! Never use abrasive polish on this equipment.

PLANNED MAINTENANCE

Routine inspection and maintenance of the Radiographic Table should be performed by qualified service personnel on an annual basis.

WARNING! Personnel engaged in maintenance activities should exercise normal caution and care while working with electromechanical equipment. Before removing or opening any electrical power panels or covers, verify that the incoming power supply is turned OFF. In the event maintenance procedures require power to be supplied to the unit, extreme care MUST be exercised to insure the safety of service or other personnel in the area. Verify that the equipment is properly grounded before attempting any electrical operation.

A complete series of inspections and functional checks was conducted at the time of installation to insure proper operation of the system. The following inspection and adjustment procedures are recommended to maintain the system in its original operating condition.

- Check for evidence of loose hardware
- Check all bearings and bearing surfaces for cleanliness and corrosion
- Conduct a general inspection for worn or damaged parts
- Visually inspect for wear and cleanliness
- Check operation of Receptor Cabinet Lock Release Lever
- Check that ground wire is properly connected (only on QT-720 system with moving grid)

RECEPTOR CABINET LOCK RELEASE LEVER ADJUSTMENT PROCEDURE

This procedure provides the steps necessary to properly adjust the Receptor Cabinet Lock Release Lever. Refer to Figure 16 and proceed as follows:

Figure 16. Receptor Cabinet Lock Release Lever Adjustment

1. Loosen the socket head cap screw on lever.
2. Rotate Delrin Brake (eccentric) to either increase or decrease gap between it and table frame.
3. Re-tighten socket head cap screw.
4. Re-check operation of Receptor Cabinet Lock Release Lever over entire travel of Receptor Cabinet. Repeat adjustment if necessary.

REPLACEMENT PARTS AND ORDERING INFORMATION

Table 1 below provides a list of replaceable parts for the Radiographic Table. Figures 17 through 21 show the locations of the replaceable parts in the system.

Table 1. Replaceable Parts

ITEM	DESCRIPTION	PART NUMBER	QTY
1	Brake Handle Cover	ME30-012	1
2	Tabletop (Phenolic)	ME31-001	1
3	Receptor Cabinet Rubber Stop	ME41-002	2
4	Receptor Cabinet Stop Spacer	FA80-003	2
5	Receptor Cabinet Stop Hardware (10-32 x 2-1/4” screw)	FSH-1436-2	2
6	Bearing, R6ZZ	ME40-180S	8
7	Spring, Extension	FA95-001-S	2
8	Table Wheel, 5” Locking (Model QT-710 only)	ME41-001	2
9	Table wheel, 5” Non-Locking (Model QT-710 only)	ME41-002	2
10	Wheel Mounting Hardware (2-13 x 1” hex head screw) (Model QT-710 only)	FHN-1316-3	4
11	Wheel Mounting Hardware (1/2-13 lockwasher) (Model QT-710 only)	FFW-12N-3	4

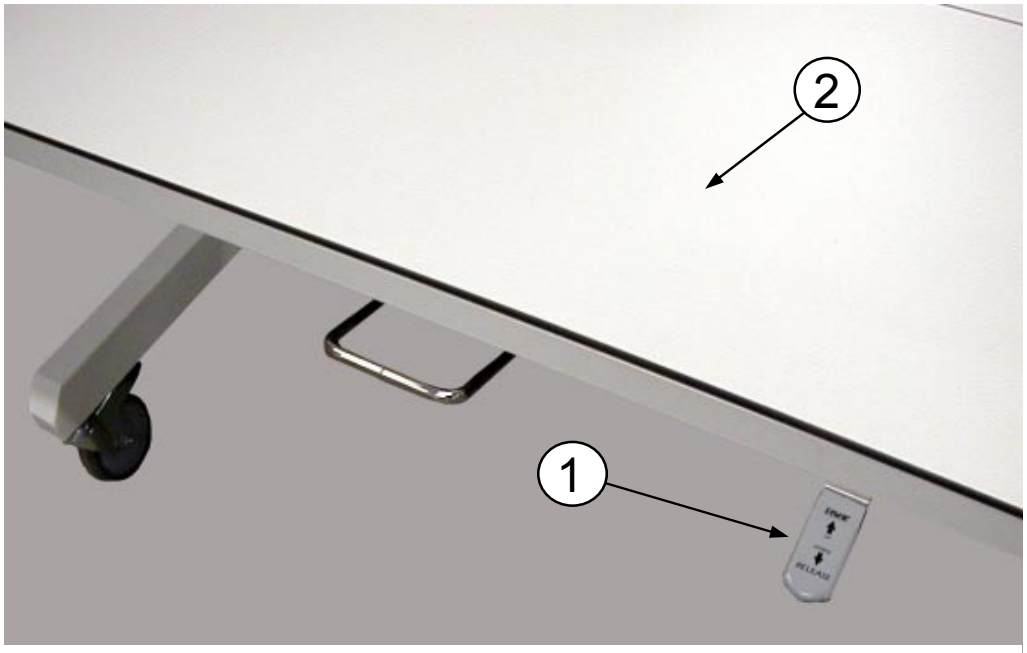

Figure 17. Replaceable Parts Location Diagram

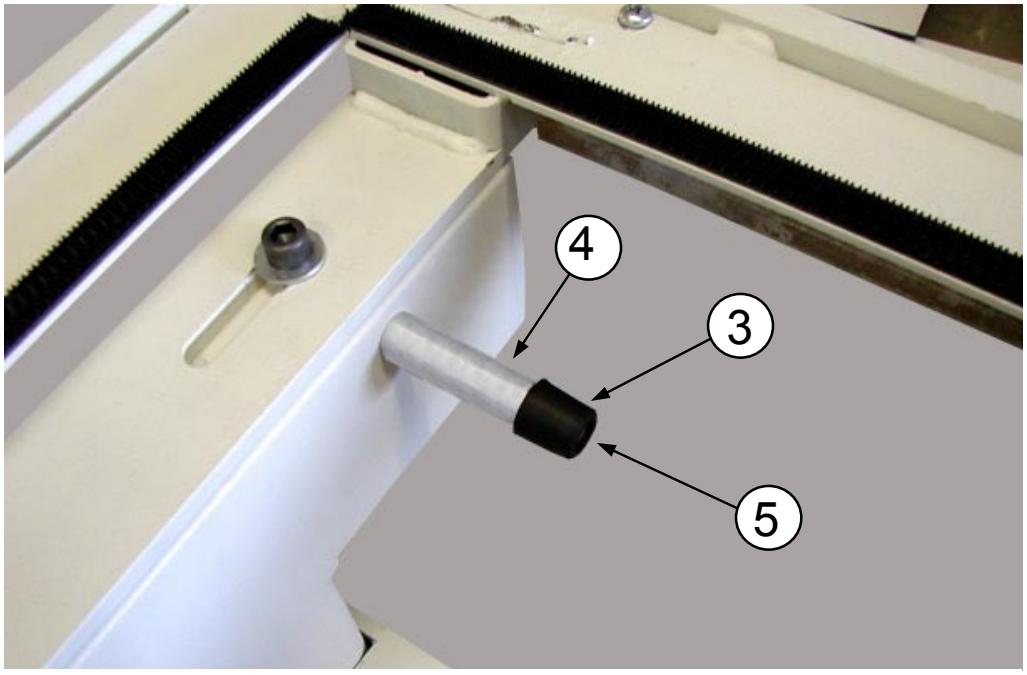

Figure 18. Replaceable Parts Location Diagram

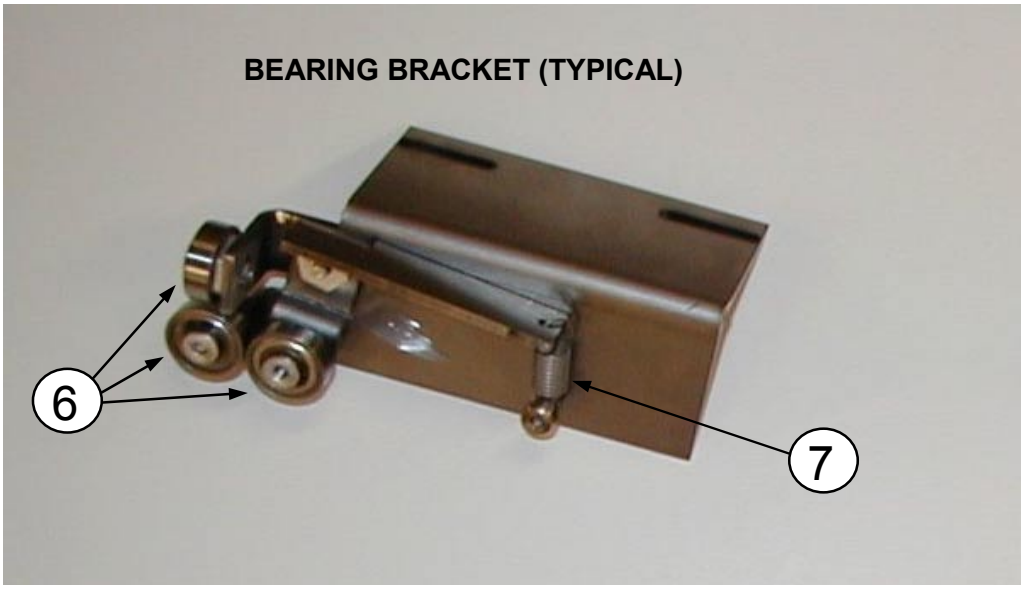

Figure 19. Replaceable Parts Location Diagram

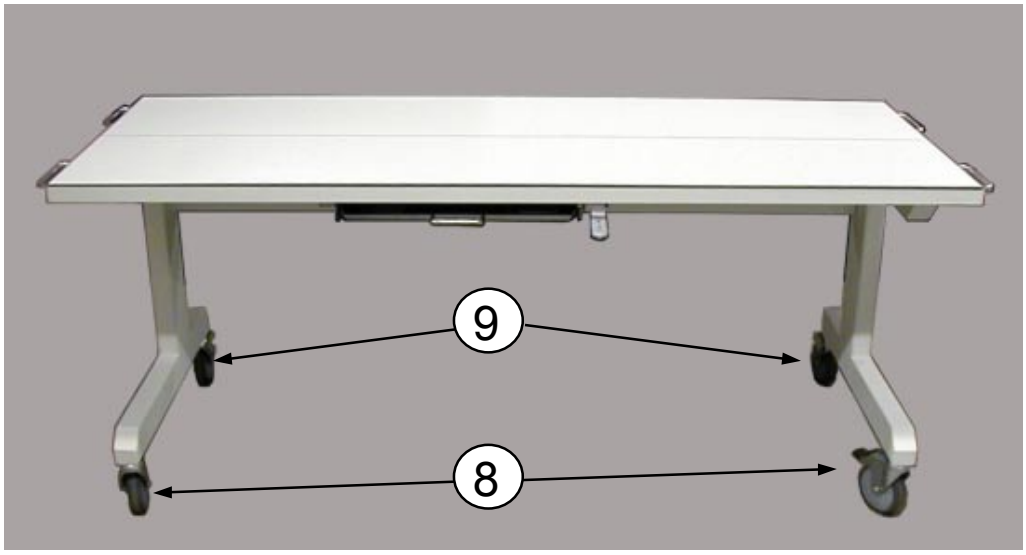

Figure 20. Replaceable Parts Location Diagram

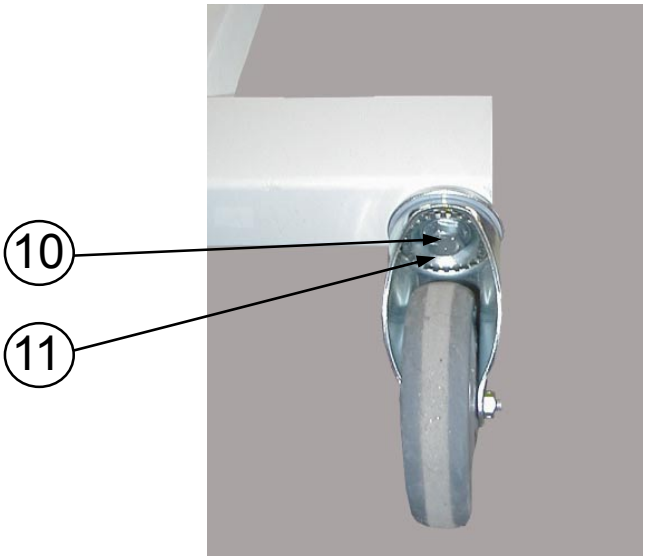

Figure 21. Replaceable Parts Location Diagram

ORDERING INFORMATION

To order replacement parts for the Radiographic Table, contact the Service Department at:

Quantum Medical Imaging, LLC
2905 Veterans Memorial Highway
Ronkonkoma, New York 11779 USA
Phone: (631) 587-5800
Fax: (631) 567-5074
e-mail: info@qmiteam.com

When ordering replacement parts, supply the following information:

- Model and serial number of equipment
- Part number
- Part description
- Quantity required

When ordering components or parts not listed in Table 1, a complete description of the part, including its function and location should be provided with the model number and serial number of the unit.